

FORM PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P23697	Application No. 10/646,698
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(Use several sheets if necessary)</small>				Applicant Hiroshi NOMURA	
				Filing Date August 25, 2003	Group 2851

APR 04 2005

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
C	4 7 9 1 4 4 1	12/13/88	NISHI et al.			
C	4 4 5 1 1 2 9	05/29/84	IKARI et al.			
C	3 3 7 7 4 2 7	04/09/68	FISCHER			
C	5 7 1 5 4 8 2	02/03/98	WAKABAYASHI et al.			
C	4 5 9 7 6 5 7	07/01/86	WAKABAYASHI et al.			
C	4 8 4 1 3 2 3	06/20/89	MINORU et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
C	8 - 3 1 3 7 9 0	11/29/96	JAPAN			
C	6 - 2 3 0 2 6 3	08/19/94	JAPAN			
C	10 - 2 5 4 0 5 4	09/25/98	JAPAN			
C	2003 - 1 4 9 7 2 3	05/21/03	JAPAN			
C	2000 - 0 2 3 0 0 2	01/21/00	JAPAN			
C	6 - 3 0 8 5 9 2	11/04/94	JAPAN			
C	7 - 1 9 9 0 1 9	08/04/95	JAPAN			
C	5 - 3 1 3 2 2 6	11/26/93	JAPAN			
C	7 - 2 9 5 0 5 0	11/10/95	JAPAN			
C	9 - 5 8 4 9	01/10/97	JAPAN			
C	61 - 1 3 3 9 3 3	06/21/86	JAPAN			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C	1	English Language Abstract of JP 8-313790.
C	2	English Language Abstract of JP 6-230263.
C	3	English Language Abstract of JP 10-254054.
C	4	English Language Abstract of JP 2000-023002.
C	5	English Language Abstract of JP 6-308592.
C	6	English Language Abstract of JP 7-199019.
C	7	English Language Abstract of JP 5-313226.
C	8	English Language Abstract of JP 7-295050.
C	9	English Language Abstract of JP 9-5849.
C	10	English Language Abstract of JP 61-133933.

EXAMINER

DATE CONSIDERED

Oct 14, 2005

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)								Applicant Hiroshi NOMURA				
								Filing Date August 25, 2003	Group 2873			
U.S. PATENT DOCUMENTS												
EXAMINER INITIAL		DOCUMENT NUMBER				DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
		4	6	4	3	5	5	4	02/17/87	OGAWA	—	
		4	7	7	1	3	0	3	09/13/88	MATSUMOTO et al.	—	
		4	8	8	7	1	0	7	12/12/89	NAKAMURA et al.	—	
		5	1	3	6	3	2	4	08/04/92	TSUBOI et al.	—	
		5	7	6	5	0	4	9	06/09/98	HASE et al.	—	
		5	8	3	2	3	2	6	11/03/98	TANAKA	—	
		6	3	6	6	3	2	3	04/02/02	SHONO	—	
		6	1	1	5	1	9	0	09/05/00	HIRAI	—	
		6	0	6	4	5	3	3	05/16/00	KENIN et al.	—	
	2003	/0	0	8	1	3	2	5	05/01/03	NOMURA et al.	—	
	2001	/0	0	2	4	5	7	3	09/27/01	NOMURA et al.	—	
	2002	/0	1	3	5	9	0	0	09/26/02	NOMURA et al.	—	
		6	0	7	5	6	5	5	06/13/00	FUNAHASHI	—	
		2002	/0	1	3	5	9	0	1	09/26/02	NOMURA et al.	—
		2003	/0	0	8	1	3	2	7	05/01/03	NOMURA et al.	—
		2002	/0	1	3	5	8	9	6	09/26/03	NOMURA et al.	—
			6	0	5	5	1	1	6	04/25/00	NOMURA et al.	—
			6	2	0	4	9	7	7	03/20/01	IWASA	—
			5	4	3	0	5	1	6	07/04/95	UZIIE et al.	—
			2003	/0	0	8	1	9	4	05/01/03	NOMURA et al.	—
			2001	/0	0	1	9	4	5	09/06/01	NOMURA et al.	—
			4	9	9	3	8	1	5	02/19/91	YAMAZAKI et al.	—
			5	7	3	1	9	1	3	03/24/98	IMANARI	—
			5	7	3	9	9	6	2	04/14/98	ASAKURA et al.	—
			2003	/0	1	5	6	8	3	08/21/03	NOMURA et al.	—
			5	5	8	7	7	5	4	12/24/96	KATAYAMA et al.	—
			6	0	5	2	5	3	5	04/18/00	UNO	—
EXAMINER	<i>Dr. Gray</i>						DATE CONSIDERED	<i>8/16/04</i>				

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EXAMINER INITIAL		DOCUMENT NUMBER						DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5	2	2	3	8	7	3	06/29/93	TSUBOI		
		5	0	8	6	3	1	2	02/04/92	TANAKA et al.		
		5	4	9	9	1	4	3	03/12/96	SAKAMOTO et al.		
		6	0	6	9	7	4	5	05/30/00	FUJII et al.		
		6	3	2	4	0	1	9	11/27/01	TAKANASHI et al.		
		5	4	8	5	3	1	5	01/16/96	NOMURA et al.		

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER						DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	58	-	1	4	5	9	3	0	08/31/83	JAPAN			
	61	-	-	6	9	0	0	2	04/09/86	JAPAN			
	61	-	2	7	0	7	3	7	12/01/86	JAPAN			
	63	-	1	4	9	6	2	9	06/22/88	JAPAN			
	64	-	3	4	6	2	3	03/02/89	JAPAN			X	
	6	-	1	8	7	7	7	01/28/94	JAPAN			X	
	7	-	1	9	1	2	4	9	07/28/95	JAPAN			
	11	-	1	0	9	2	0	3	04/23/99	JAPAN			
	58	-	1	0	7	7	0	8	01/21/83	JAPAN			
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	2	3	0	9	5	5	1	07/30/97	UNITED KINGDOM				
	2	3	4	4	6	6	2	06/14/00	UNITED KINGDOM				
	2	2	6	1	2	9	8	05/12/93	UNITED KINGDOM				
	2002	-	2	7	7	7	1	9	09/25/02	JAPAN			

EXAMINER D. Gray DATE CONSIDERED 8/16/04

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		DOCUMENT NUMBER		DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
10	-	2	8	2	3	9	4	10/23/98 JAPAN	1
58	-	1	6	2	9	1	4	09/27/83 JAPAN	1
0	6	3	4	6	8	0		01/18/95 E.P.O.	
10	-	3	2	7	4	0		02/03/98 JAPAN	X
7	-	2	8	8	7	2	4	10/31/95 JAPAN	X
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
	1	English Language Abstract of JP 58-10708.							
	2	English Language Abstract of JP 2003-207709.							
	3	English Language Abstract of JP 2002-277719.							
	4	English Language Abstract of JP 10-282394.							
	5	English Language Abstract of JP 58-162914.							
EXAMINER	Dr Gray		DATE CONSIDERED		8/16/04				
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Sheet 1 of 4

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		Applicant Hiroshi NOMURA									
		Filing Date August 25, 2003				Group 2873					
U.S. PATENT DOCUMENTS											
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	2004 /0	0	4	2	0	9	5	03/04/04	NOMURA		
	2004 /0	0	4	2	0	9	3	03/04/04	NOMURA		
	2004 /0	0	6	2	5	3	6	04/01/04	NOMURA		
	2004 /0	0	5	1	9	6	8	03/18/04	NOMURA		
	2004 /0	0	5	1	9	7	0	03/18/04	NOMURA		
	2004 /0	0	6	2	5	3	7	04/01/04	NOMURA		
	2004 /0	0	5	1	9	7	2	03/18/04	NOMURA		
	2004 /0	0	4	2	0	9	1	03/04/04	NOMURA		
	2004 /0	0	4	2	0	8	9	03/04/04	NOMURA		
	2004 /0	0	5	1	9	7	1	03/18/04	NOMURA		
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	2004 /0	0	5	1	9	6	7	03/18/04	NOMURA		
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	2004 /0	0	4	2	0	9	6	03/04/04	NOMURA		
	2004 /0	0	4	2	0	9	0	03/04/04	NOMURA		
	2004 /0	0	4	2	7	7	6	03/04/04	NOMURA		
	2004 /0	0	5	1	9	8	1	03/18/04	NOMURA		
	2004 /0	0	4	2	0	9	2	03/04/04	NOMURA		
	4	5	2	5	0	5	0	06/25/85	OHASHI		
	4	6	4	3	5	5	5	02/17/87	WAKABAYASHI		
	4	7	2	1	9	7	2	01/26/88	WAKABAYASHI		
	4	7	9	2	8	2	2	12/20/88	AKIYAMA et al.		
	5	8	1	8	6	4	7	10/06/98	NISHIO et al.		
	6	0	3	1	9	9	8	02/29/00	SHONO		
	4	4	5	1	1	2	9	05/29/84	IKARI et al.		
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